



TRANSPORTATION CABINET

Frankfort, Kentucky 40622
www.transportation.ky.gov/

Steven L. Beshear
Governor

Michael W. Hancock, P.E.
Secretary

December 3, 2015

CALL NO. 311
CONTRACT ID NO. 152328
ADDENDUM # 1

Subject: Harrison County, FE06 049 0062 018-022
Letting December 11, 2015

- (1) Revised - Special Notes - Pages 13-16 of 61
- (2) Revised - Guardrail Summary - Page 20 of 61
- (3) Added - Notes - Pages 1-3 of 3

Proposal revisions are available at <http://transportation.ky.gov/Construction-Procurement/>.

If you have any questions, please contact us at 502-564-3500.

Sincerely,

A handwritten signature in cursive script that reads "Rachel Mills".

Rachel Mills, P.E.
Director
Division of Construction Procurement

RM:ks
Enclosures



An Equal Opportunity Employer M/F/D

SPECIAL NOTES FOR GUARDRAIL FE06 049 0062 018-022

I. DESCRIPTION

Except as specified herein, perform all work in accordance with the Department's 2012 Standard and Supplemental Specifications, Special Notes, and Standard and Sepia Drawings, current editions. Article references are to the Standard Specifications.

Furnish all equipment, labor, materials, and incidentals for the following work items:

(1) Site preparation (other than Shoulder Preparation by the Department); (2) Install guardrail furnished by the Department; (3) Furnish and install Extra Length Posts, End Treatments, and Delineators for Guardrail as applicable; (4) Maintain and Control Traffic; and (5) all other work specified as part of this contract.

II. MATERIALS

Except as specified herein, provide for all materials to be sampled and tested in accordance with the Department's Sampling Manual and make the materials available for sampling a sufficient time in advance of the use of the materials to allow for the necessary time for testing.

A Maintain and Control Traffic. See Traffic Control Plan.

B. Guardrail. The Department will furnish guardrail elements and radius rail, steel posts, and timber off set blocks in general conformance to Section 814 and the Standard Drawings, but may vary in some respects, such as gage, pre-punched hole patterns, etc. The Department will make the materials available to the Contractor at the Bailey Bridge Lot in Frankfort, Kentucky, between the hours of 8:00 a.m. and 3:30 p.m. Monday through Friday. Determine curvature of radius rail for entrances and terminal sections and provide the Engineer a list of requirements fourteen (14) calendar days prior to beginning work.

The Contractor shall furnish guardrail hardware (nuts, bolts, and washers), extra length posts, and end treatments in accordance with Section 814 and the Standard Drawings. Furnish approximately thirty (30) Extra Length Posts (9 foot length, steel-no alternates).

C. Delineators for Guardrail. Furnish bi-directional white Delineators for Guardrail according to the Delineators for Guardrail Sepia Drawing.

D. Seeding and Protection. Use Seed Mixture Type I according to Section 212.

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III. CONSTRUCTION METHODS

A. Maintain and Control Traffic. See Traffic Control Plan.

B. Department Shoulder Preparation. If deemed necessary by the Engineer, the Department will prepare the shoulder, including grading, reshaping, adding and compacting suitable materials to provide proper template or foundation for the new guardrail system.

Notify the Engineer in writing a minimum of fourteen (14) calendar days in advance of beginning work. The Engineer will coordinate the Department's shouldering operations with the Contractor's work. Allow sufficient time for the Department's available resources to complete this phase of the work. Delays due to inclement weather, shortage of materials, or other unforeseen causes may affect the Department's ability to complete the shoulder preparation. Consider these factors when submitting a bid and scheduling work. The Department will not grant any time extension or monetary consideration, and will not consider any claims if the Department's forces are delayed in shoulder preparation.

C. Contractor Site Preparation. Other than the shoulder preparation performed by the Department, be responsible for all site preparation, including but not limited to removal of all obstructions or any other items; disposal, of excess and waste materials and debris; seeding and protection; and final dressing and cleanup. Perform all site preparation as approved or directed by the engineer.

D. Remove Guardrail End Treatment Type 7. Remove the existing end treatment including all associated concrete, components, and incidentals. Fill all voids from pulling posts and removing concrete with dry sand. Do not damage the rail element or terminal section. Deliver the removed rail element and terminal section to the Department's Harrison County maintenance facility.

E. Guardrail. Except as specified herein, install materials furnished by the Department and construct guardrail system according to Section 719 and the Standard and Sepia Drawings. Consider locations listed on the summary and/or shown on the drawings to be approximate only. The Engineer will determine the exact termini for individual guardrail installations and locations for Extra Length Posts at the time of construction. Unless directed otherwise by the Engineer, provide a minimum one (1) foot shoulder width. Construct radii at entrances and road intersections as directed by the Engineer.

Erect guardrail to the lines and grades shown on current Standard Drawings or as directed by the Engineer by any method approved by the Engineer which allows construction of the guardrail to the true grade without apparent sags.

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When installing guardrail, do not leave the blunt end exposed where it would be hazardous to the public. When it is not practical to complete the construction of the guardrail and the permanent end treatments and terminal sections first, provide a temporary end by connecting at least 25 feet of rail to the last post, and by slightly flaring, and burying the end of the rail completely into the existing shoulder. If left overnight, place a drum with bridge panel in advance of the guardrail end and maintain during use.

F. Delineators for Guardrail. Construct Delineators for Guardrail according to the delineators for Guardrail Sepia Drawing.

G. Property Damage. Be responsible for all damage to public and/or private property resulting from the work. Restore damaged roadway features and private property at no additional cost to the Department.

H. Coordination with Utility Companies. Locate all underground, above ground and overhead utilities prior to beginning construction. Be responsible for contacting and maintaining liaison with all utility companies that have utilities located within the project limits. Do not disturb existing overhead or underground utilities. It is not anticipated that any utility facilities will need to be relocated and/or adjusted; however, in the event that it is discovered that the work does require that utilities be relocated and/or adjusted, the utility companies will work concurrently with the Contractor while relocating their facilities. Be responsible for repairing all utility damage that occurs as a result of guardrail operations at no additional cost to the Department.

I. Right of Way Limits. The Department has not established exact limits of the Right-of-Way. Limit work activities to obvious Right-of-Way, permanent or temporary easements, and work areas secured by the Department through consent and release of the adjacent property owners. Be responsible for all encroachments onto private lands.

J. Disposal of Waste. Dispose of all removed concrete, debris, and other waste and debris off the Right-of-Way at sites obtained by the Contractor at no additional cost to the Department. See Special Note for Waste and Borrow.

K. Final Dressing, Clean Up, and Seeding and Protection. Apply Class A Final Dressing to all disturbed areas, both on and off the Right-of-Way. Sow disturbed earthen areas with Seed Mixture Type 1 at the rate of 100 pounds per acre.

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IV. METHOD OF MEASUREMENT

A. Maintain and Control Traffic. See Traffic Control Plan.

B. Site preparation. Other than the bid items listed, the Department will not measure Site Preparation for separate payment but shall be incidental to Guardrail, Steel W Beam Single Face, Install and End Treatments, as applicable.

C. Remove Guardrail End Treatment Type 7. The Department will measure removed end treatments in individual units, Each.

D. Guardrail, Steel W Beam Single Face, Install. The Department will measure the actual length of guardrail furnished by the Department and installed by the Contractor. Contrary to section 719.04.01, the Department will measure the actual length of shop curved guardrail furnished by the Department in linear feet and will not multiply the actual length by a factor of 1.3 to determine the pay quantity.

E. Guardrail Hardware. The Department will not measure guardrail hardware for separate payment but shall be incidental to Guardrail, Steel W Beam Single Face, Install.

F. Extra Length Posts. See Section 719.04

G. Delineators for Guardrail. See Delineators for Guardrail Sepia Drawing.

V. BASIS OF PAYMENT

A. Maintain and Control Traffic. See Traffic Control Plan.

B. Guardrail, Steel W Beam Single Face, Install. See Section 719.05.

C. Extra Length Posts, End Treatments, Bridge End Connectors, and Terminal Sections. See Section 719.05.

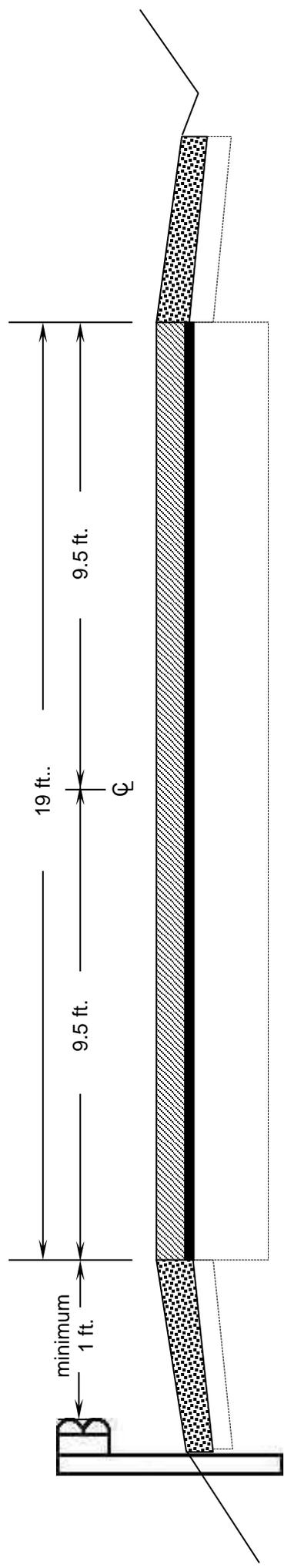
D. Remove Guardrail End Treatment Type 7. Accept payment at the Contract unit price Each as full compensation for all labor, equipment, materials, and incidentals for removing the Type 7 End Treatment, delivering the rail element and terminal section to the Department's Harrison County maintenance facility, filling holes and depressions from removing posts and concrete with dry sand, and disposing of posts and removed concrete.

D. Delineators for Guardrail. See Delineators for Guardrail Sepia Drawing.

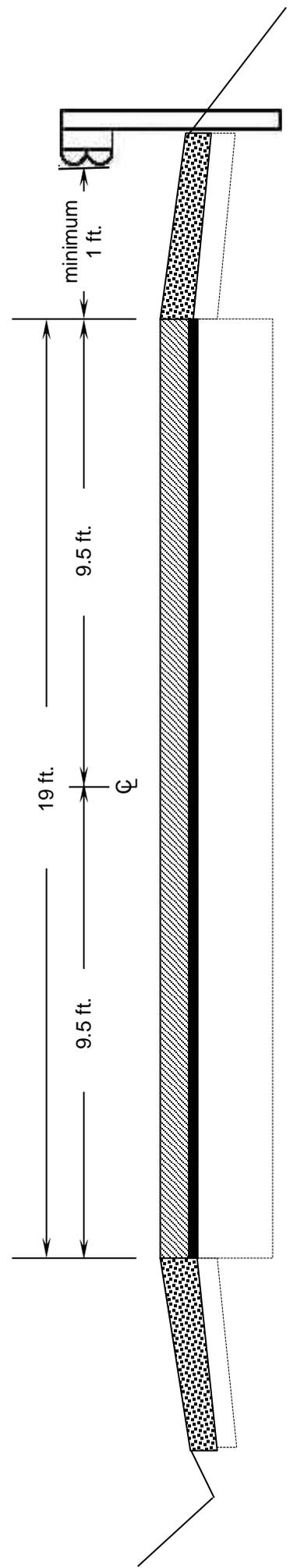
GUARDRAIL SUMMARY
FE06 049 0062 018-022

NEW GUARDRAIL						REMOVE GUARDRAIL						
LANE	END TREATMENT	BEGIN MILEPOINT	END MILEPOINT	END TREATMENT	LIN FEET	REMARKS	LANE	BEGIN MILEPOINT	END MILEPOINT	REMOVE END TREATMENT (EACH)	REMARKS	
LEFT	TYPE 1	18.801	19.142	TYPE 1	1,700.0		Right	21.514	21.522	1	TYPE 7	
RIGHT	CONNECT TO EXISTING	21.475	21.791	TYPE 1	1,375.0							
TOTAL					3,075.0		TOTAL					1

TYPICAL SECTION
FE06 049 0062 019-022
MILEPOINT 18.801-19.142



TYPICAL SECTION
FE06 049 0062 018-022
MILEPOINT 21.475-21.791



INSURANCE

The Contractor shall procure and maintain the following insurance in addition to the insurance required by law:

- 1) Commercial General Liability-Occurrence form – not less than \$2,000,000 General aggregate, \$2,000,000 Products & Completed Aggregate, \$1,000,000 Personal & Advertising, \$1,000,000 each occurrence.
- 2) Automobile Liability- \$1,000,000 per accident
- 3) Employers Liability:
 - a) \$100,000 Each Accident Bodily Injury
 - b) \$500,000 Policy limit Bodily Injury by Disease
 - c) \$100,000 Each Employee Bodily Injury by Disease
- 4) The insurance required above must be evidenced by a Certificate of Insurance and this Certificate of Insurance must contain one of the following statements:
 - a) "policy contains no deductible clauses."
 - b) "policy contains _____ (amount) deductible property damage clause but company will pay claim and collect the deductible from the insured."
- 5) KENTUCKY WORKMEN'S COMPENSATION INSURANCE. The contractor shall furnish evidence of coverage of all his employees or give evidence of self-insurance by submitting a copy of a certificate issued by the Workmen's Compensation Board.

The cost of insurance is incidental to all contract items. All subcontractors must meet the same minimum insurance requirements.